



CAPITAL BELTWAY STUDY

DRAFT ENVIRONMENTAL IMPACT STATEMENT SECTION 4(f) EVALUATION

VOLUME II

MARCH 2002



DEPARTMENT OF TRANSPORTATION
COMMONWEALTH OF VIRGINIA

FEDERAL HIGHWAY ADMINISTRATION
U.S. DEPARTMENT OF TRANSPORTATION



VOLUME II

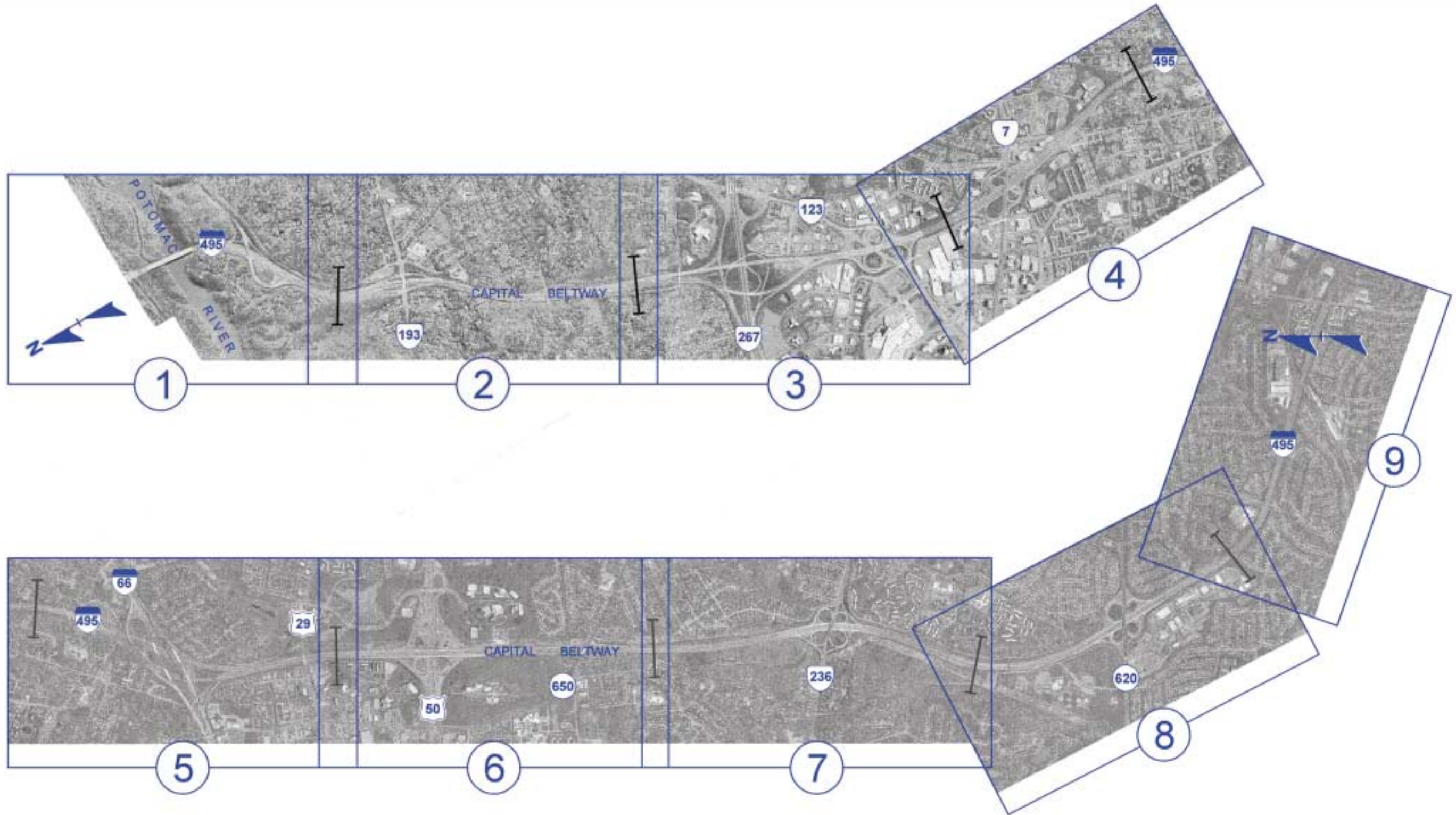
BUILD ALTERNATIVES

The following sheets contain conceptual designs for the three candidate build alternatives, which are described in detail within Chapter 2 of Volume I. Designs are shown on an aerial photograph base that was flown in 1998. The conceptual designs were prepared for the purpose of determining travel service demand, engineering requirements, socioeconomic/environmental impacts and cost estimates. During the implementation phase of the project appropriate refinement or changes to the selected design alternative will be made.

A key map is provided on the following page to guide the reviewer through the nine sheets that cover the 14-mile project area. The sheets begin at the American Legion Bridge and end at the western end of the I-95/I-395/I-495 Interchange (near Backlick Road). Multiple versions of Sheets 3, 5 and 6 are used to depict the alternative interchange options being considered at Gallows Road, Interstate 66 and the Dulles Access/Toll Road.

The alternatives are presented in the following order:

- Figure II-1 - Concurrent HOV
- Figure II-2 - Express/Local with HOV
- Figure II-3 - Barrier Separated
- Figure II-4 - Route 29 HOV Direct Connection



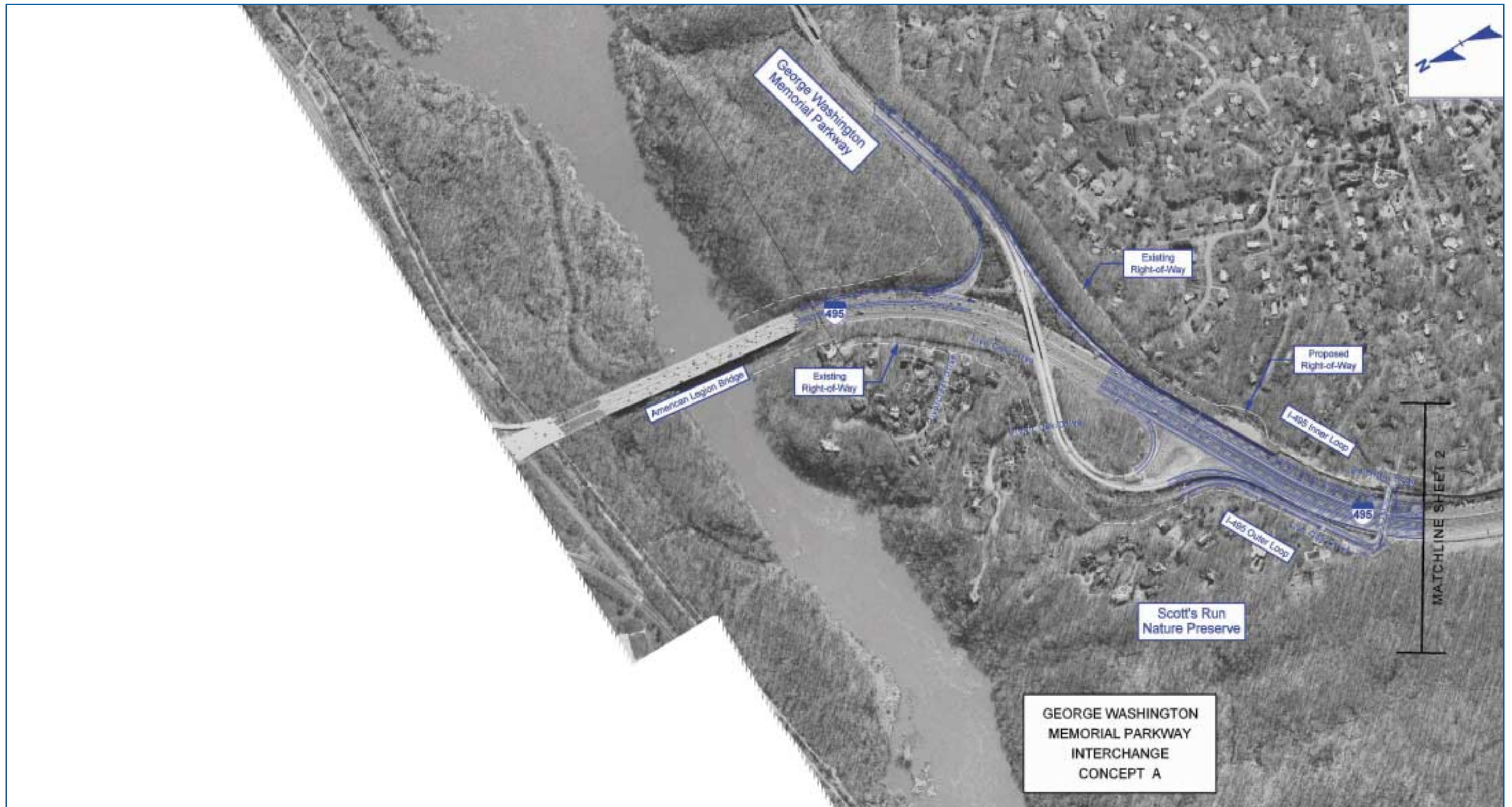
KEY MAP

CAPITAL BELTWAY STUDY



DRAFT ENVIRONMENTAL IMPACT STATEMENT SECTION 4(f) EVALUATION

CONCURRENT HOV

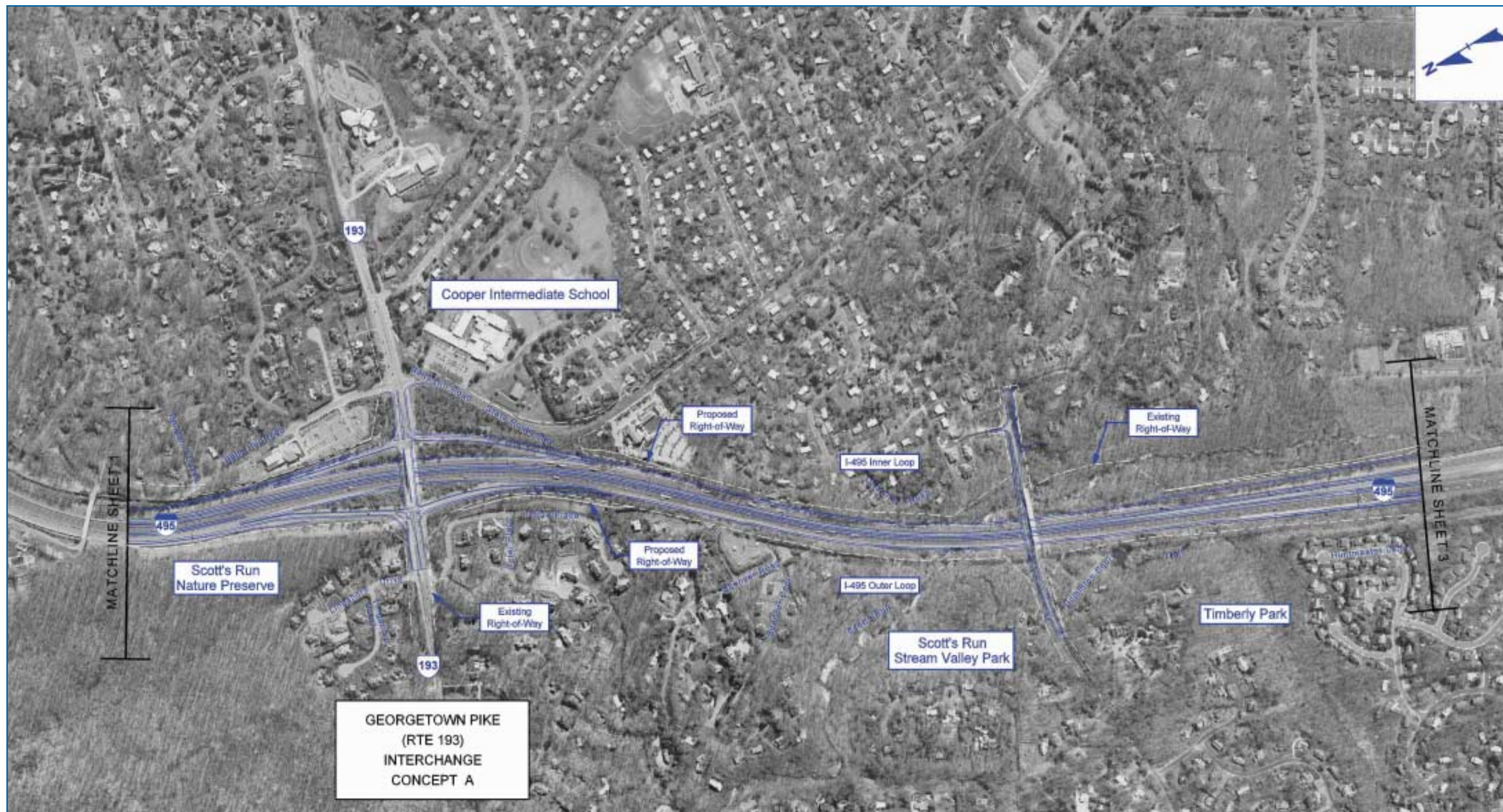


CANDIDATE BUILD ALTERNATIVE
Concurrent HOV

CAPITAL BELTWAY STUDY

Figure II-1
 Sheet 1



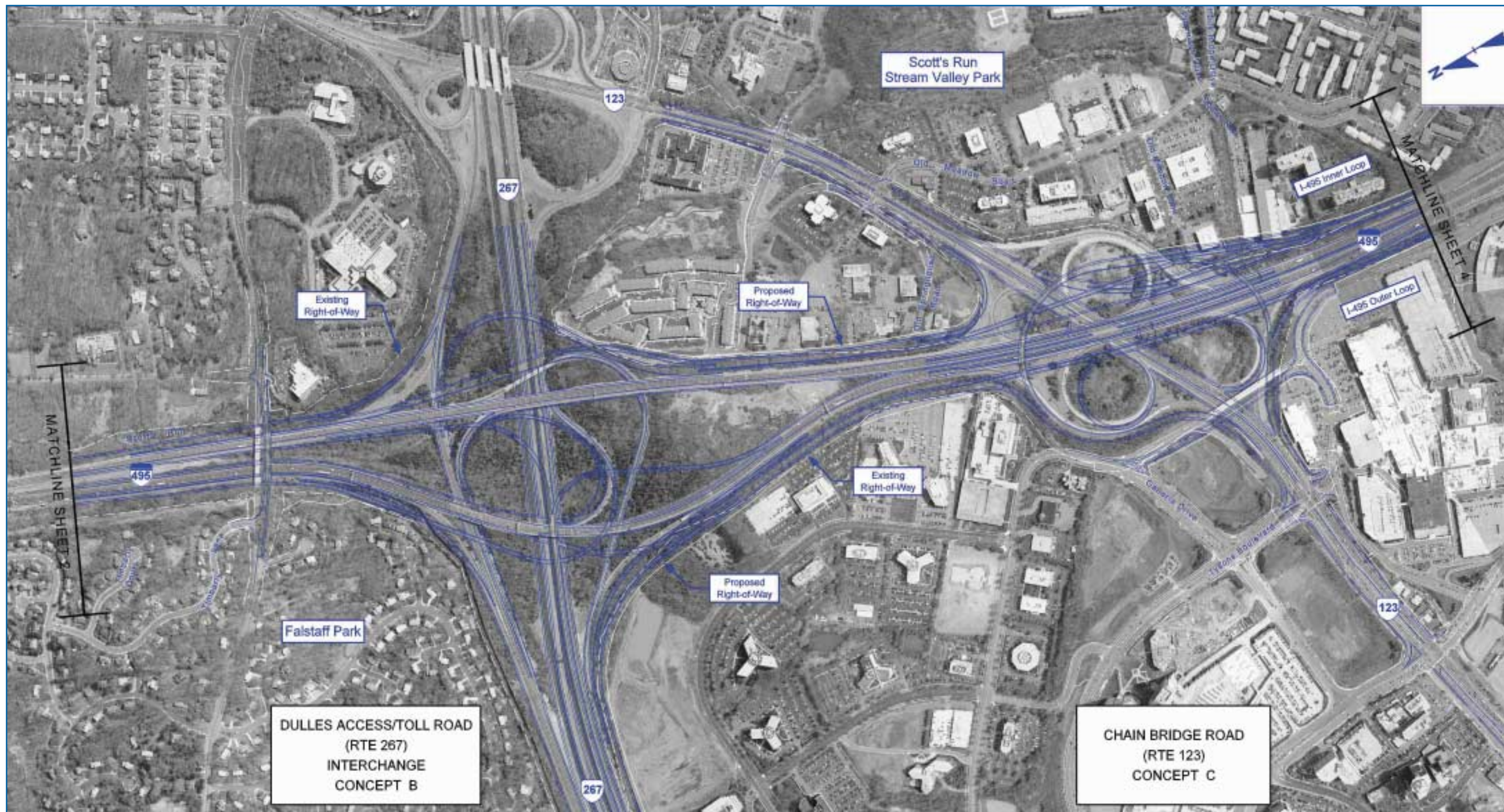


CANDIDATE BUILD ALTERNATIVE **Concurrent HOV**

CAPITAL BELTWAY STUDY

Figure II-1
Sheet 2



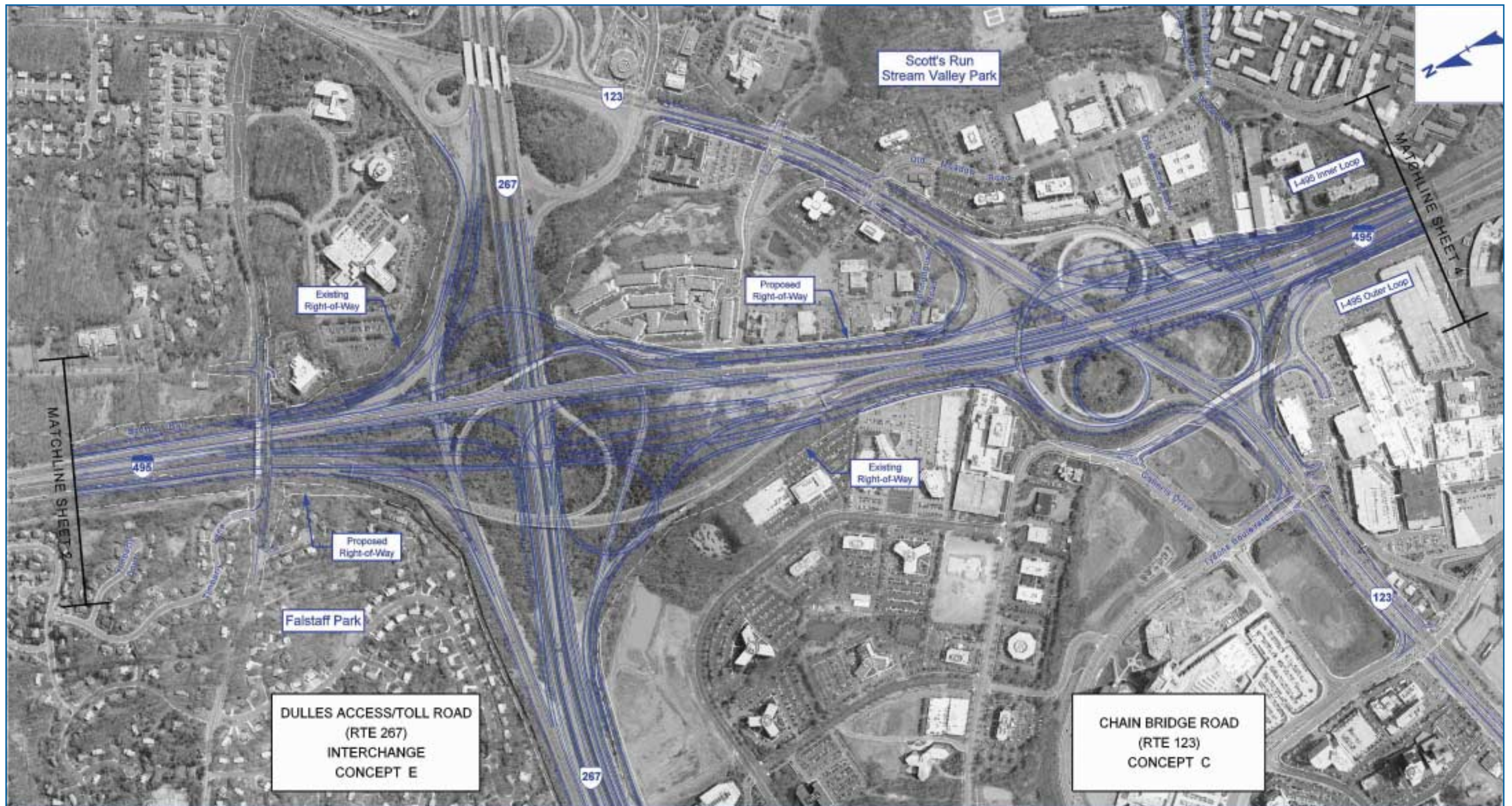


CANDIDATE BUILD ALTERNATIVE **Concurrent HOV**

CAPITAL BELTWAY STUDY

Figure II-1
 Sheet 3a



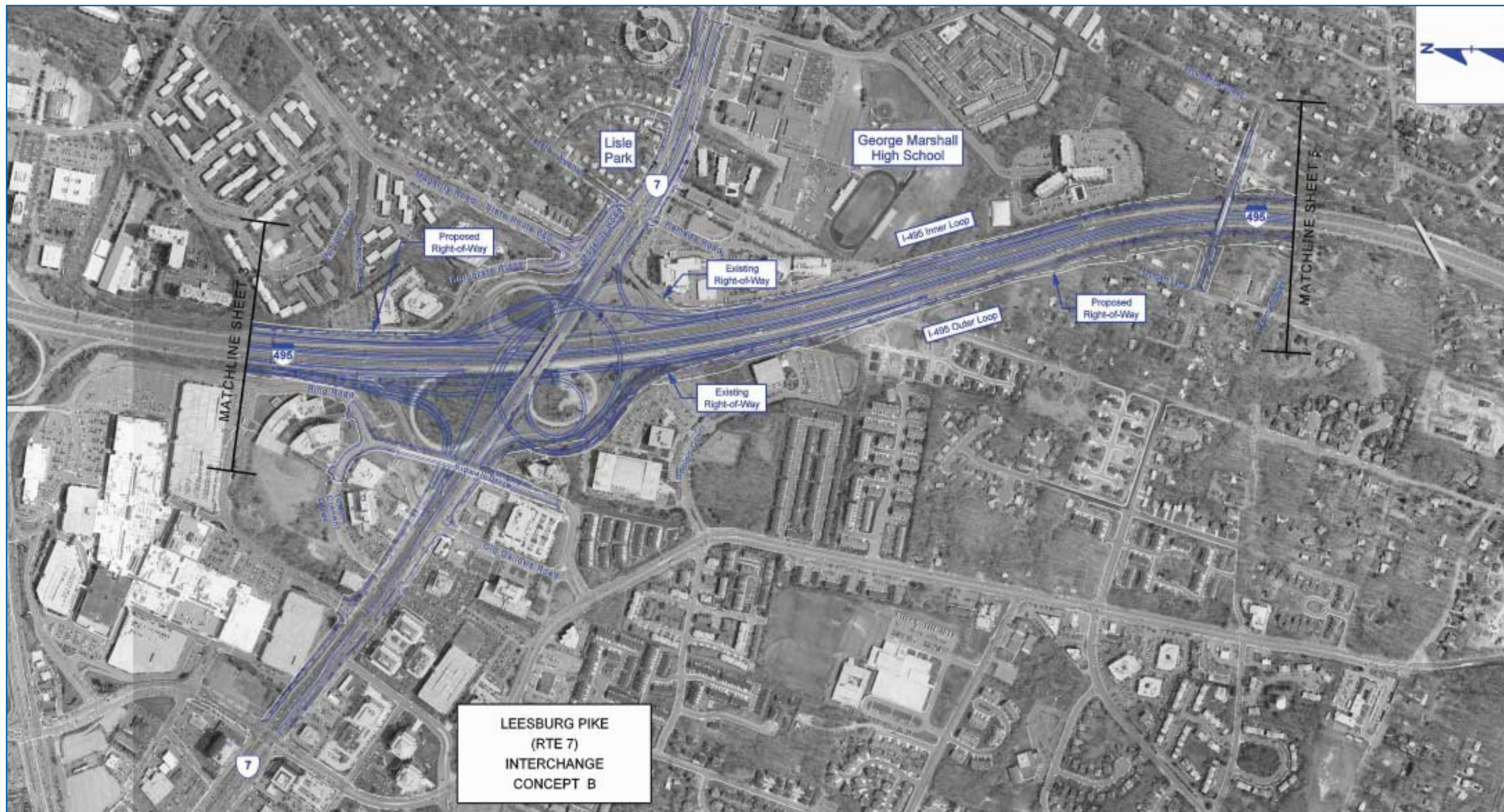


CANDIDATE BUILD ALTERNATIVE
Concurrent HOV

CAPITAL BELTWAY STUDY

Figure II-1
 Sheet 3b





CANDIDATE BUILD ALTERNATIVE
Concurrent HOV

CAPITAL BELTWAY STUDY

Figure II-1
 Sheet 4







SEE FIGURE II-4 FOR
ROUTE 29 HOV CONNECTION

I-66 INTERCHANGE
CONCEPT C



CANDIDATE BUILD ALTERNATIVE
Concurrent HOV

CAPITAL BELTWAY STUDY

Figure II-1
Sheet 5b



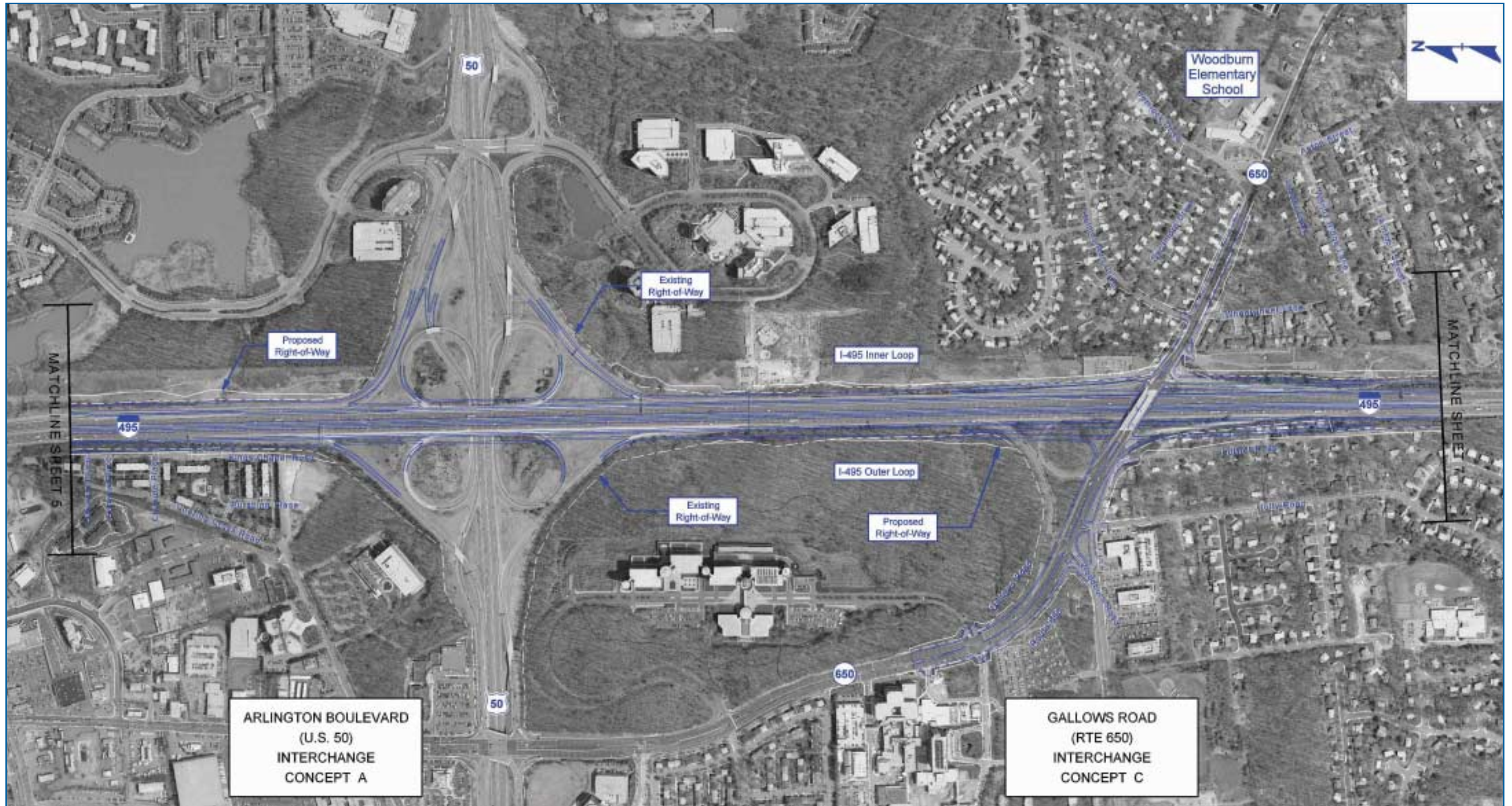


CANDIDATE BUILD ALTERNATIVE **Concurrent HOV**

CAPITAL BELTWAY STUDY

Figure II-1
 Sheet 5c



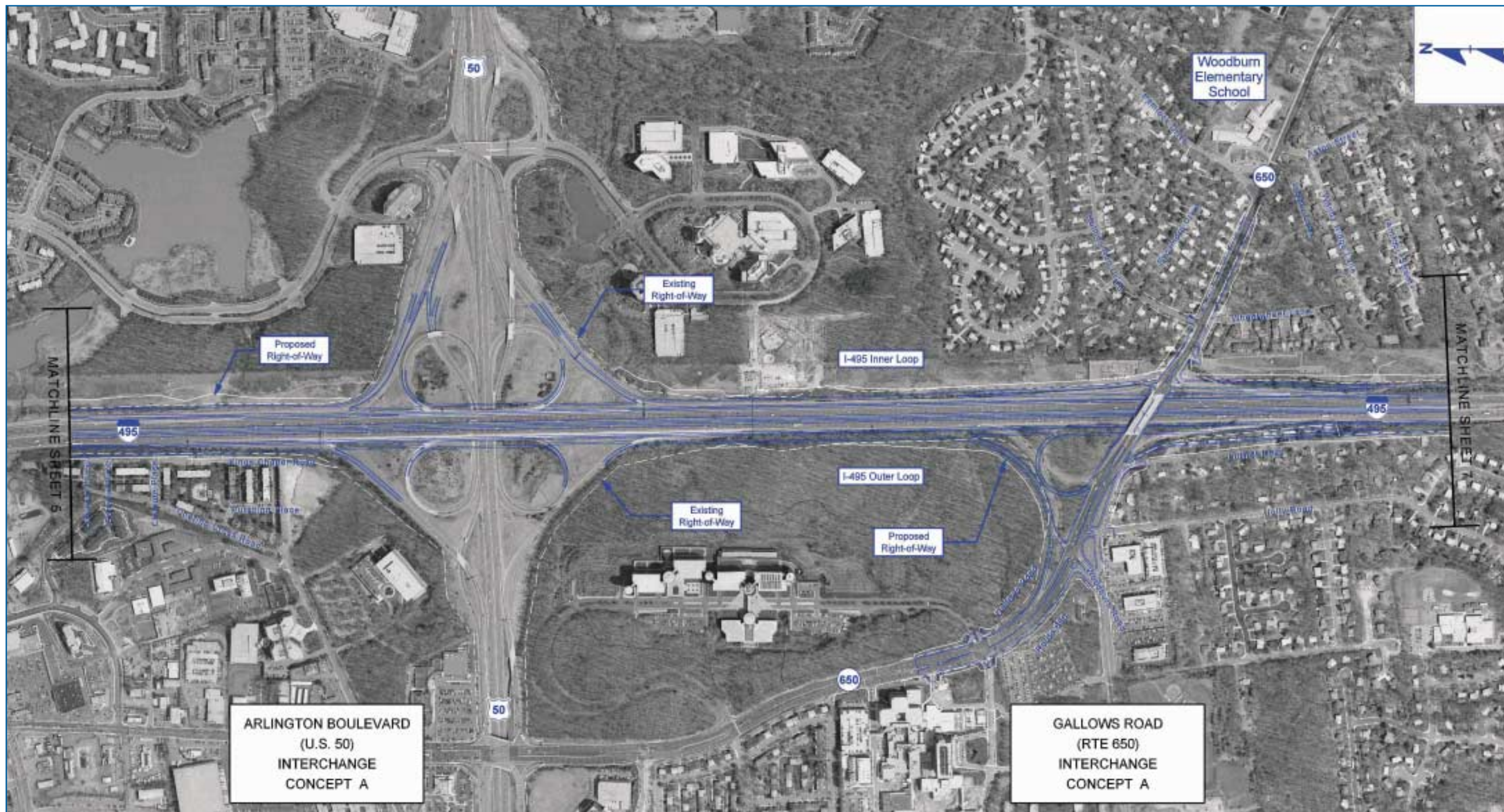


CANDIDATE BUILD ALTERNATIVE **Concurrent HOV**

CAPITAL BELTWAY STUDY

Figure II-1
Sheet 6a



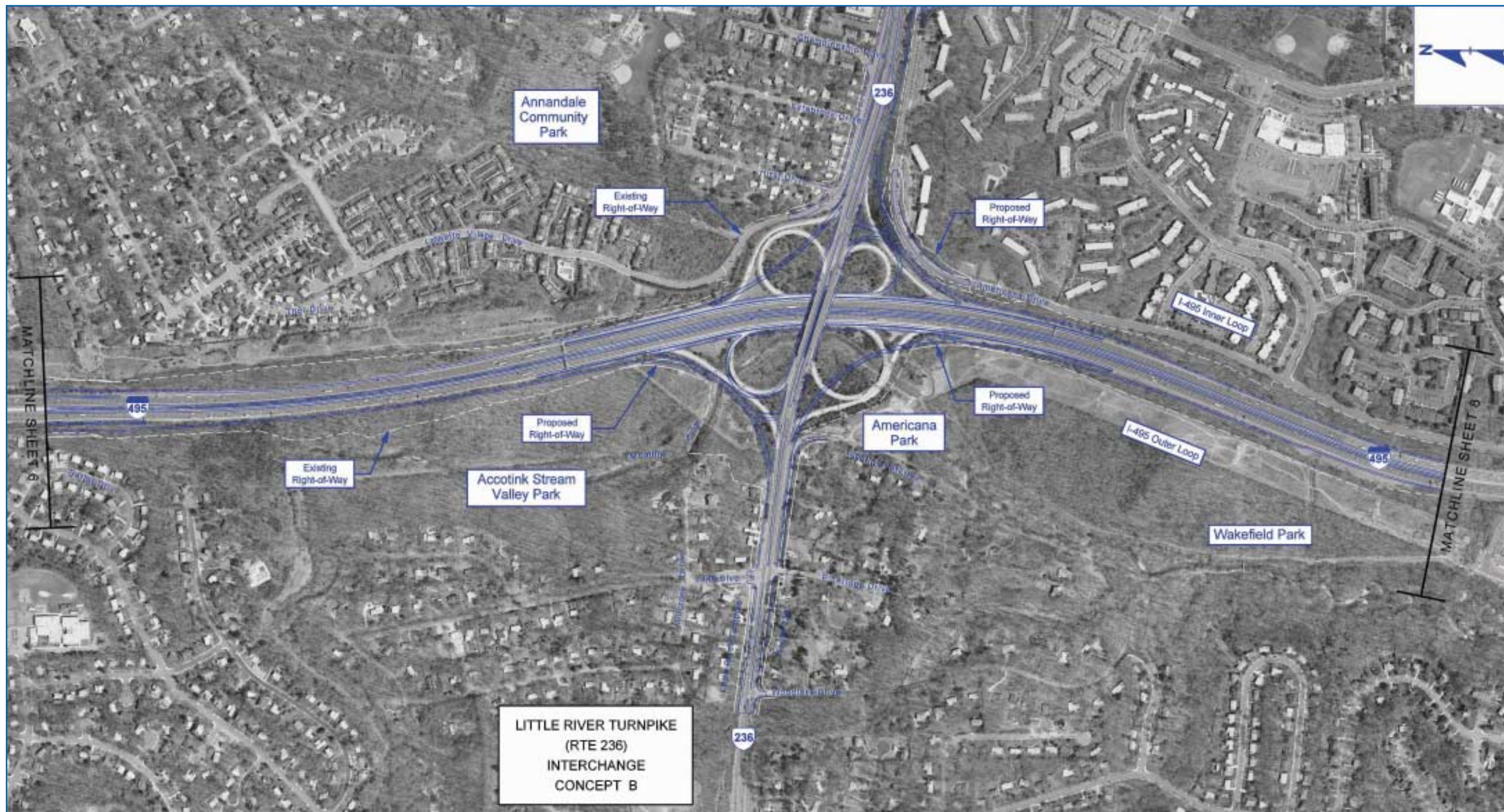


CANDIDATE BUILD ALTERNATIVE **Concurrent HOV**

CAPITAL BELTWAY STUDY

Figure II-2
Sheet 6b





CANDIDATE BUILD ALTERNATIVE
Concurrent HOV

CAPITAL BELTWAY STUDY

Figure II-1
Sheet 7





**CANDIDATE BUILD ALTERNATIVE
Concurrent HOV**

CAPITAL BELTWAY STUDY

Figure II-1
Sheet 8





CANDIDATE BUILD ALTERNATIVE
Concurrent HOV

CAPITAL BELTWAY STUDY

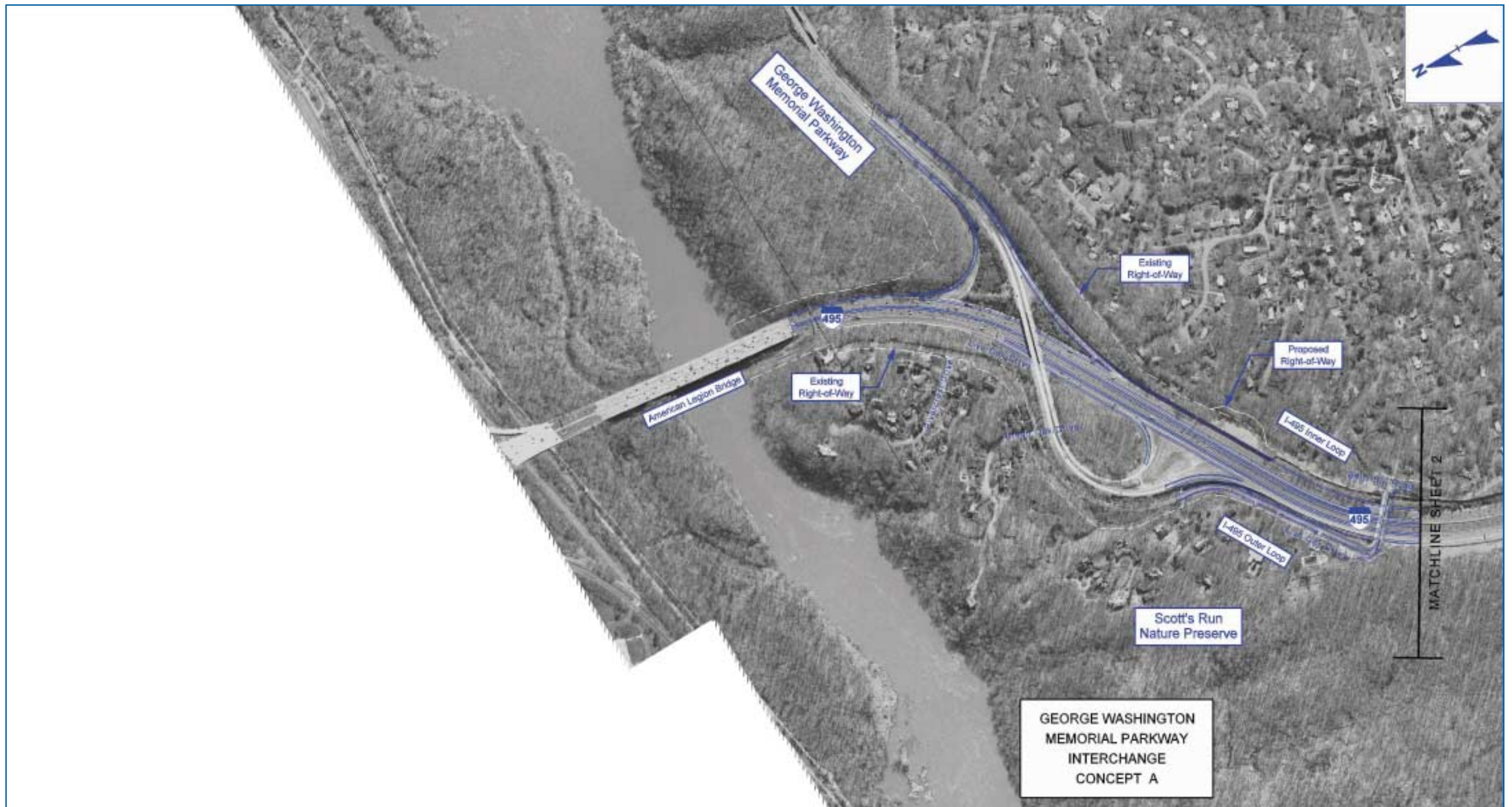
Figure II-1
 Sheet 9





DRAFT ENVIRONMENTAL IMPACT STATEMENT SECTION 4(f) EVALUATION

EXPRESS/LOCAL WITH HOV

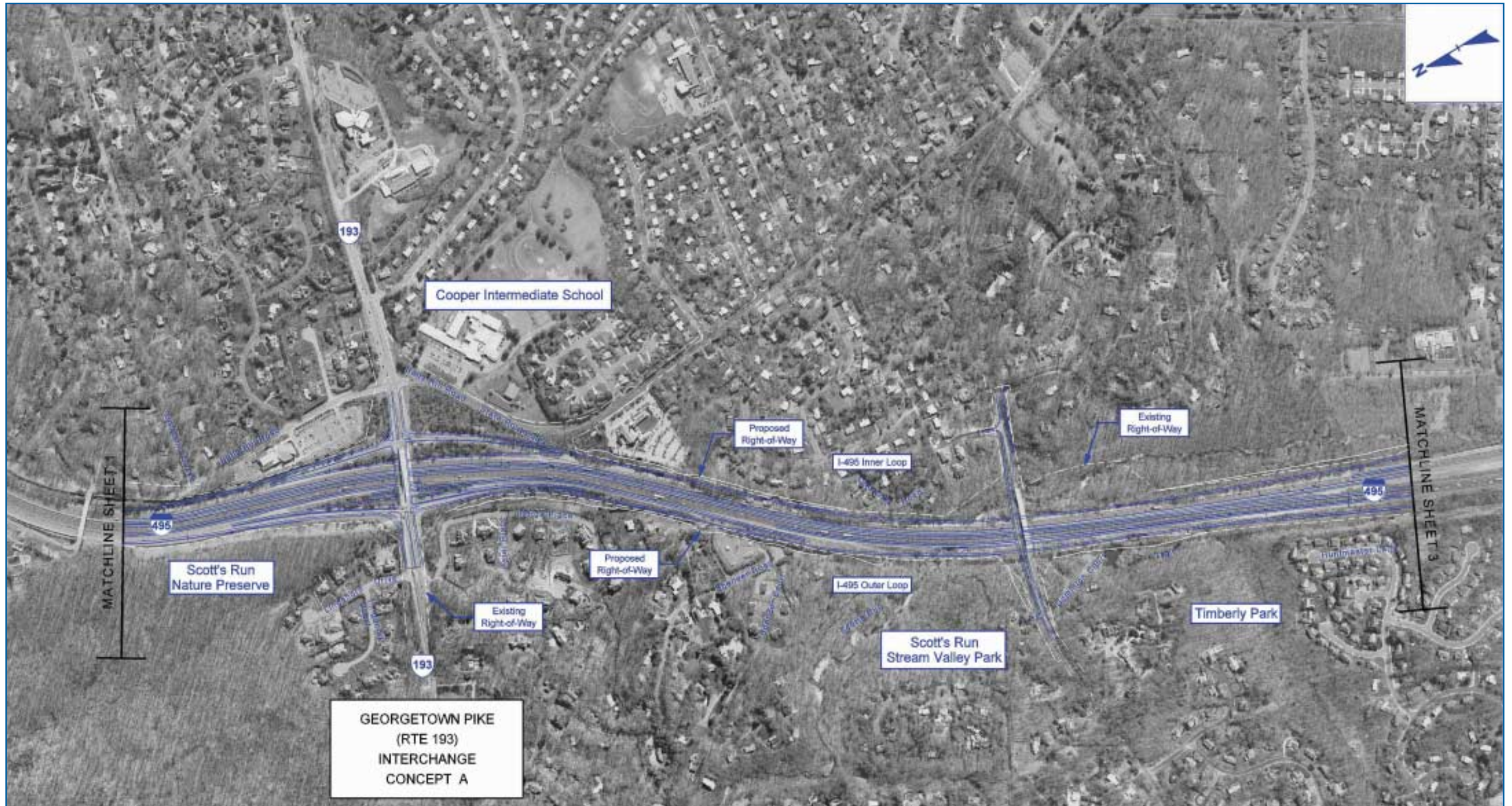


CANDIDATE BUILD ALTERNATIVE
Express / Local with HOV

CAPITAL BELTWAY STUDY

Figure II-2
Sheet 1



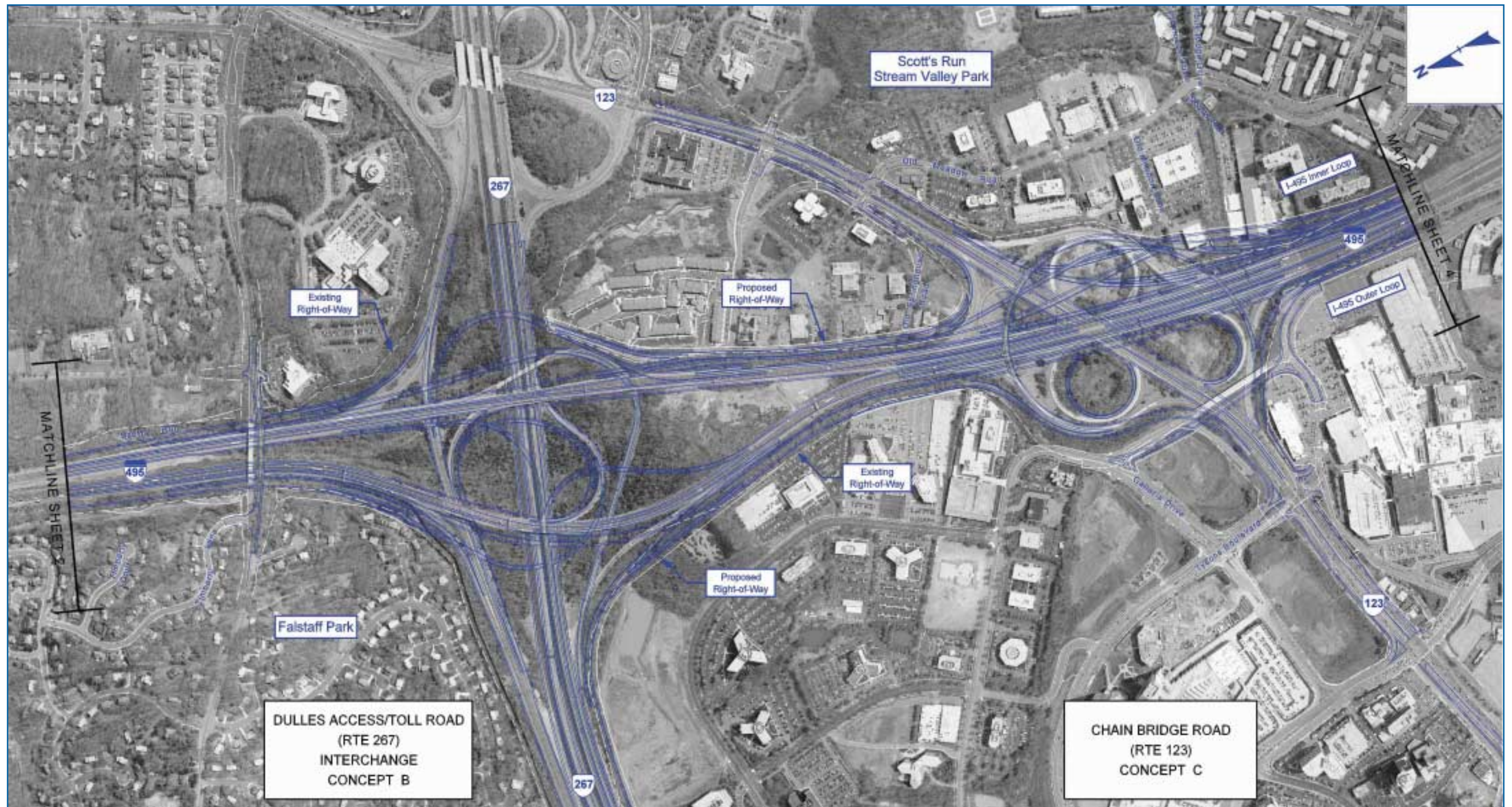


CANDIDATE BUILD ALTERNATIVE Express / Local with HOV

CAPITAL BELTWAY STUDY

Figure II-2
Sheet 2

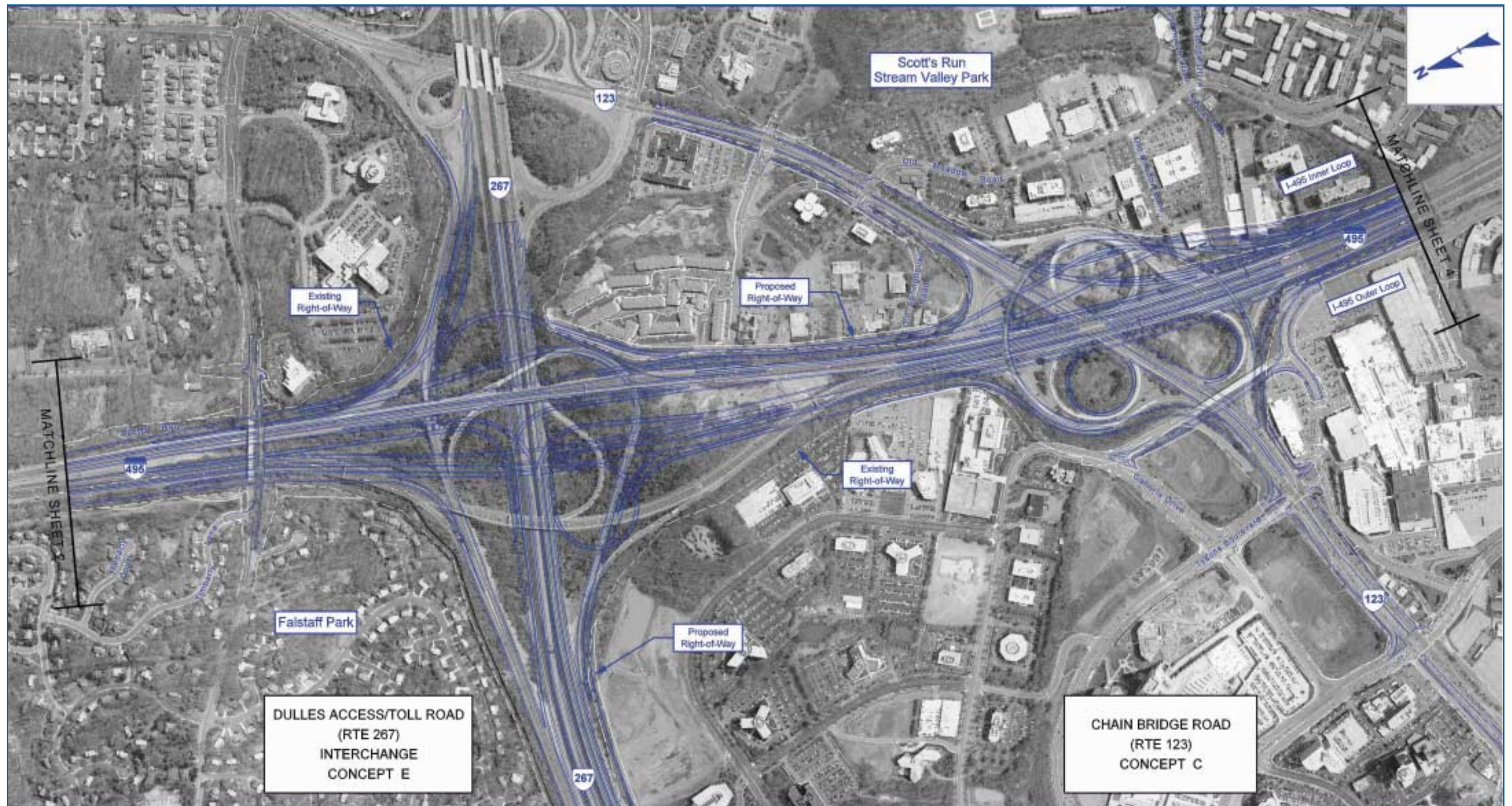




CANDIDATE BUILD ALTERNATIVE
Express / Local with HOV
 CAPITAL BELTWAY STUDY

Figure II-2
 Sheet 3a



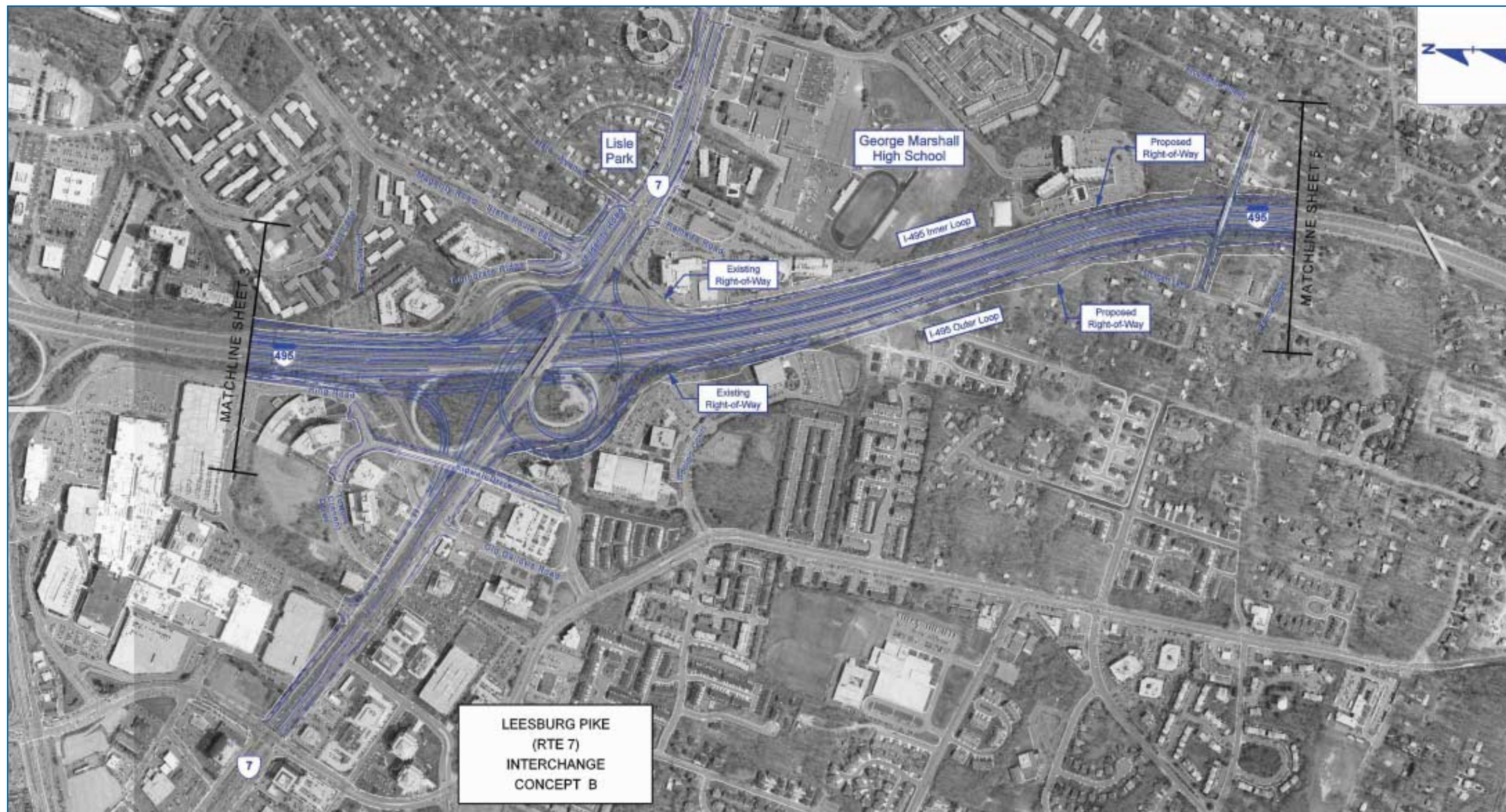


CANDIDATE BUILD ALTERNATIVE **Express / Local with HOV**

CAPITAL BELTWAY STUDY

Figure II-2
 Sheet 3b



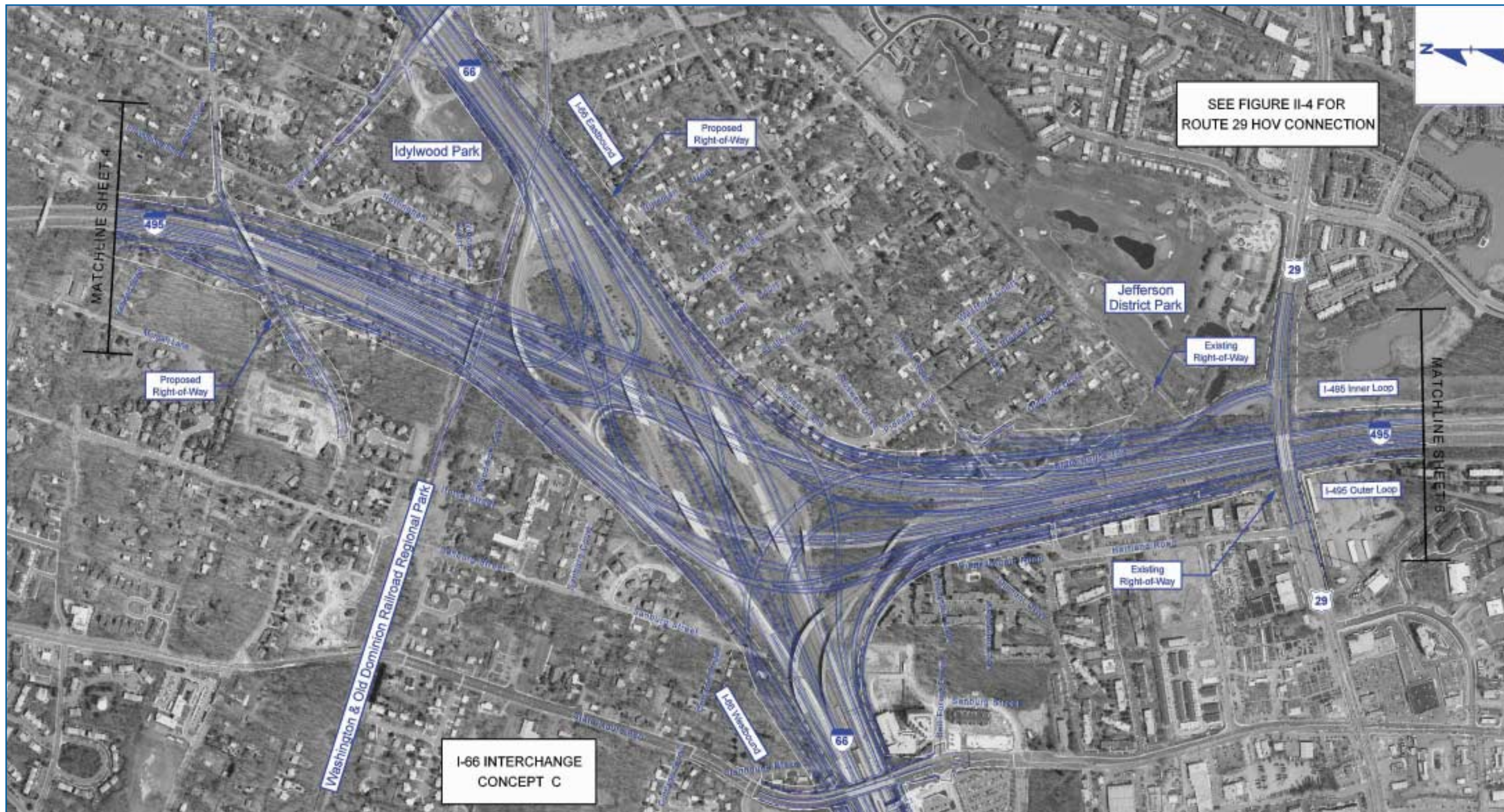


CANDIDATE BUILD ALTERNATIVE
Express / Local with HOV
 CAPITAL BELTWAY STUDY

Figure II-2
 Sheet 4







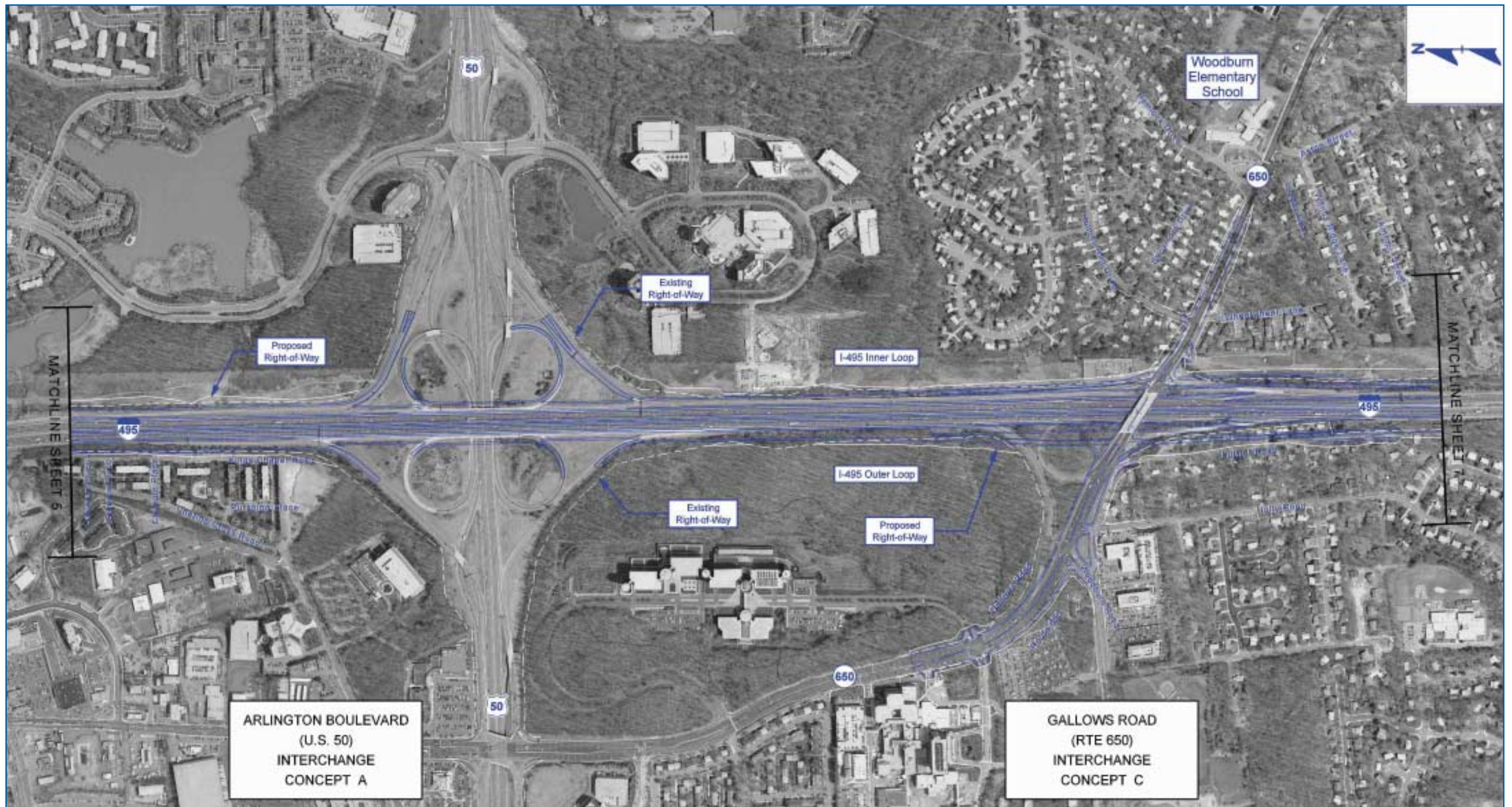
CANDIDATE BUILD ALTERNATIVE
Express / Local with HOV

CAPITAL BELTWAY STUDY

Figure II-2
Sheet 5b





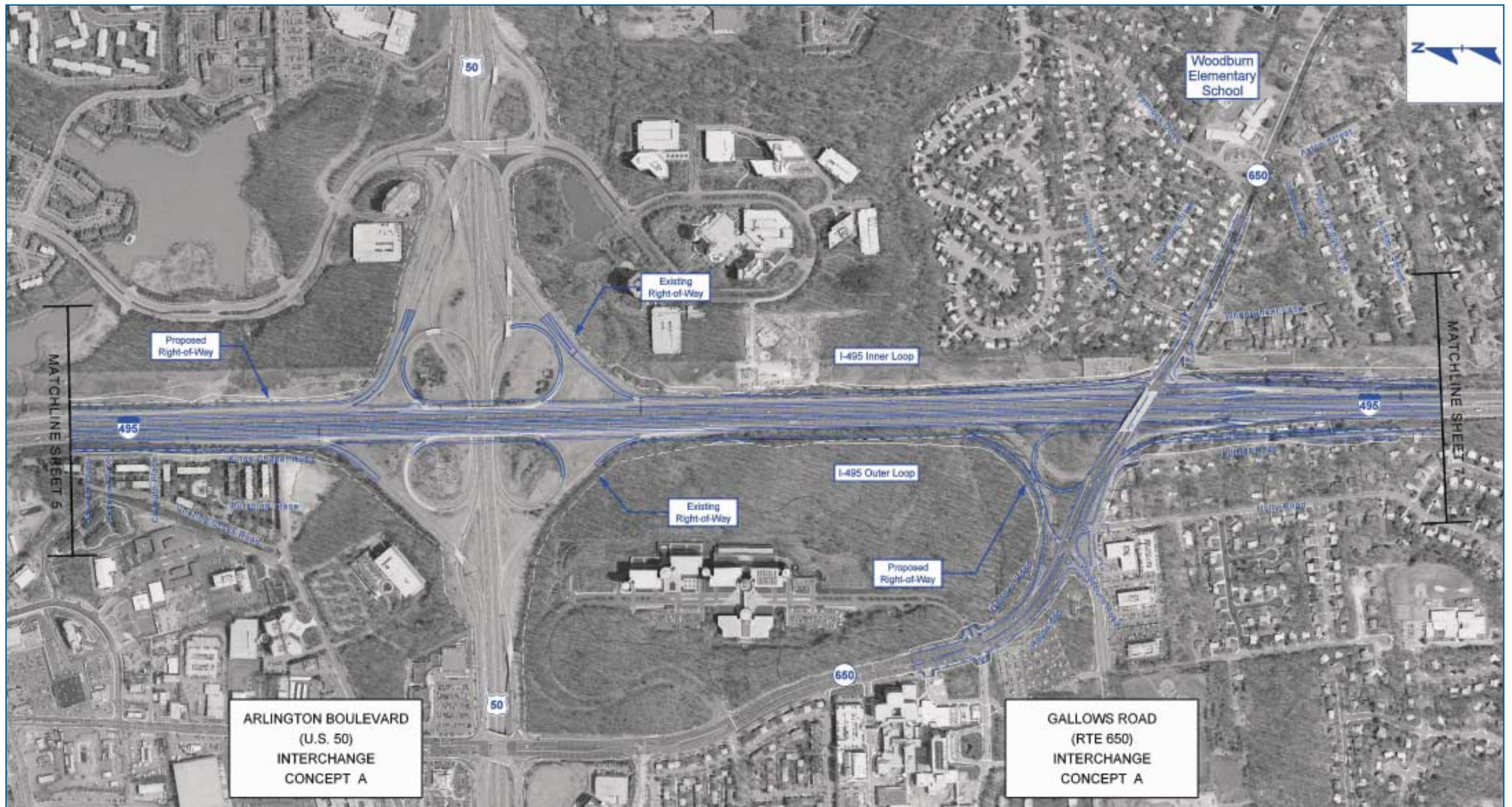


CANDIDATE BUILD ALTERNATIVE
Express / Local with HOV

CAPITAL BELTWAY STUDY

Figure II-2
Sheet 6a







CANDIDATE BUILD ALTERNATIVE
Express / Local with HOV

CAPITAL BELTWAY STUDY

Figure II-2
Sheet 8





CANDIDATE BUILD ALTERNATIVE **Express / Local with HOV**

CAPITAL BELTWAY STUDY

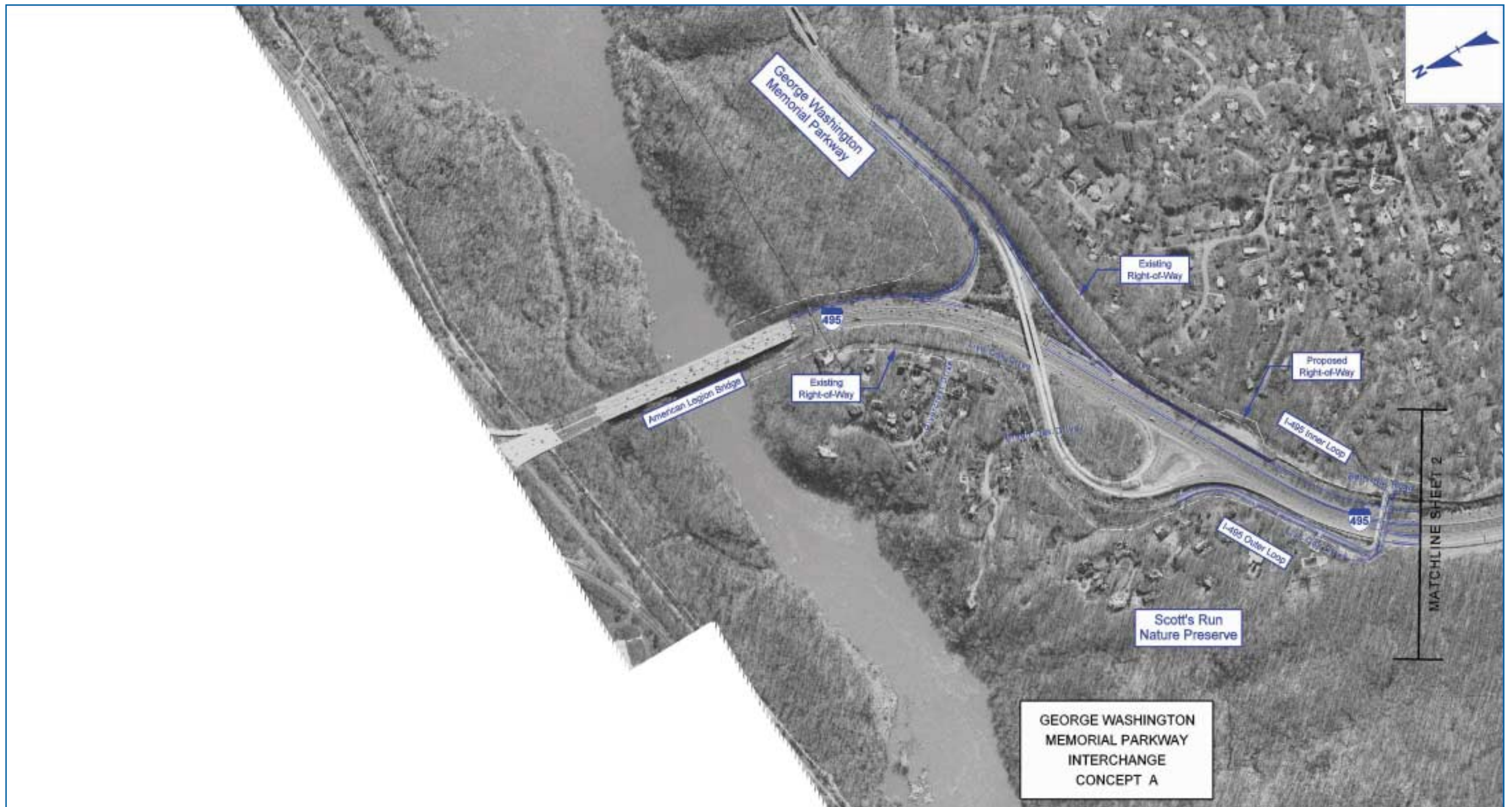
Figure II-2
 Sheet 9





DRAFT ENVIRONMENTAL IMPACT STATEMENT SECTION 4(f) EVALUATION

BARRIER-SEPARATED HOV



CANDIDATE BUILD ALTERNATIVE
Barrier - Separated HOV

CAPITAL BELTWAY STUDY

Figure II-3
Sheet 1



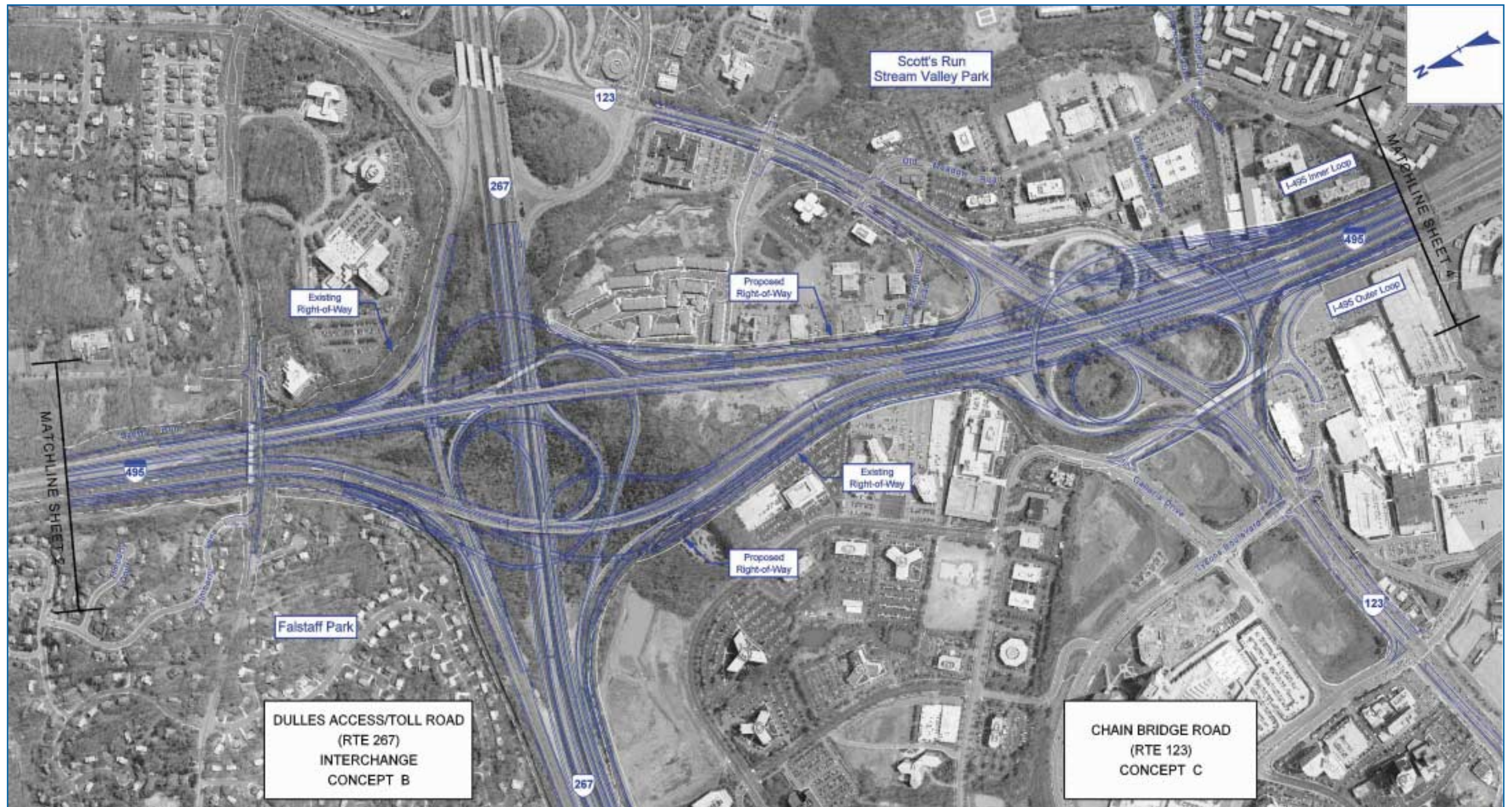


CANDIDATE BUILD ALTERNATIVE
Barrier - Separated HOV

CAPITAL BELTWAY STUDY

Figure II-3
Sheet 2



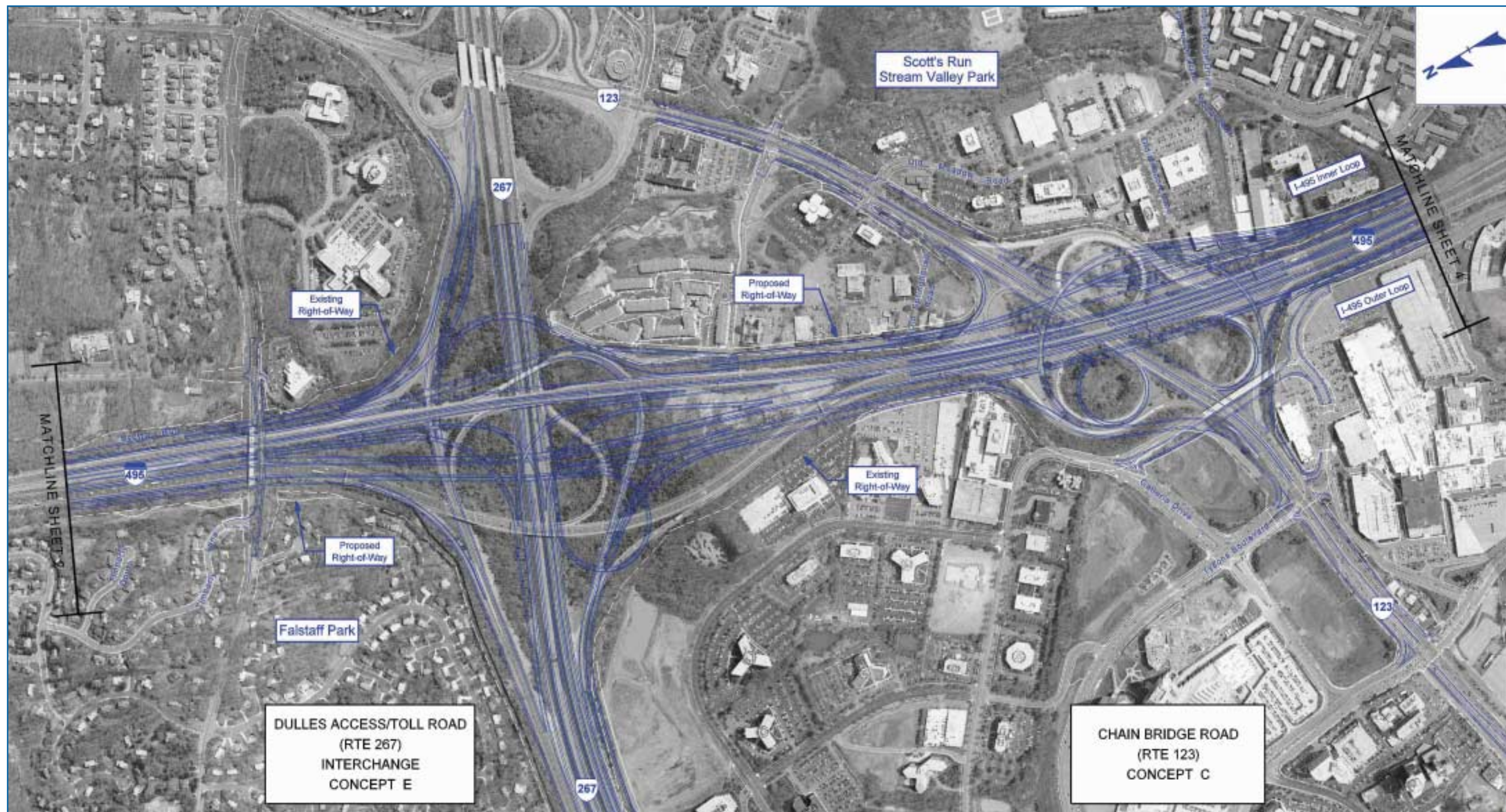


CANDIDATE BUILD ALTERNATIVE
Barrier - Separated HOV

CAPITAL BELTWAY STUDY

Figure II-3
 Sheet 3a



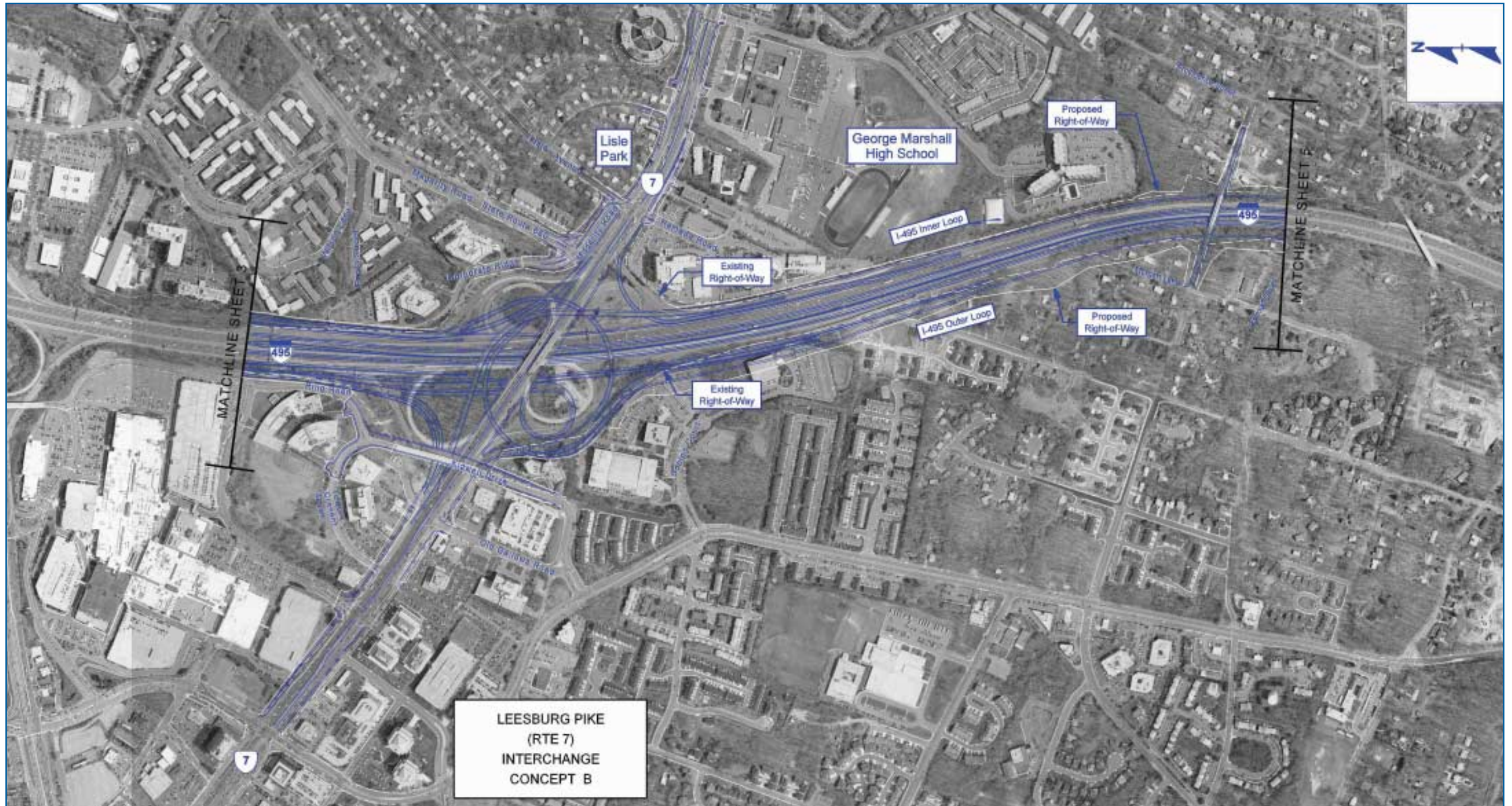


CANDIDATE BUILD ALTERNATIVE
Barrier - Separated HOV

CAPITAL BELTWAY STUDY

Figure II-3
 Sheet 3b



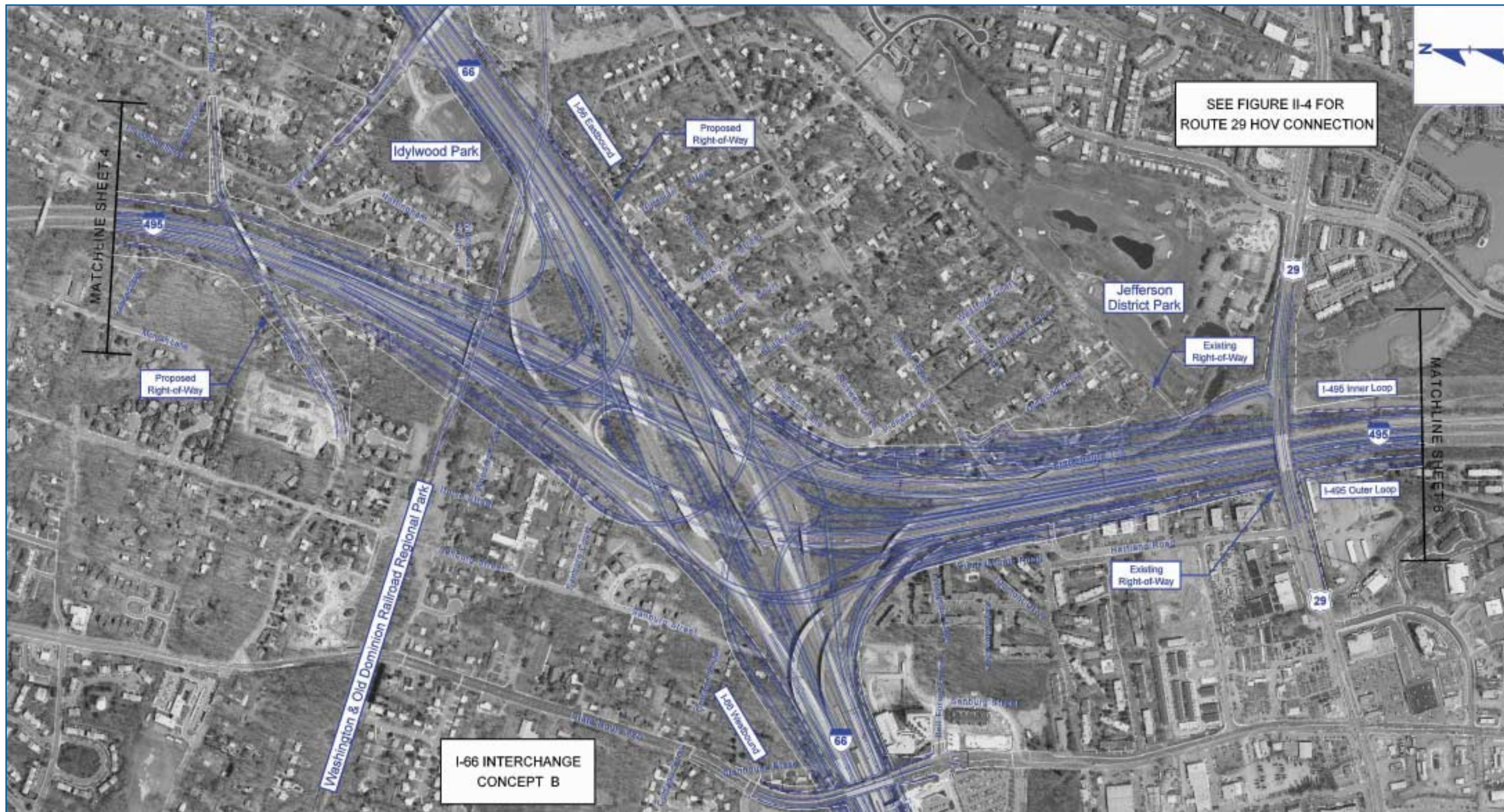


CANDIDATE BUILD ALTERNATIVE
Barrier - Separated HOV

CAPITAL BELTWAY STUDY

Figure II-3
Sheet 4



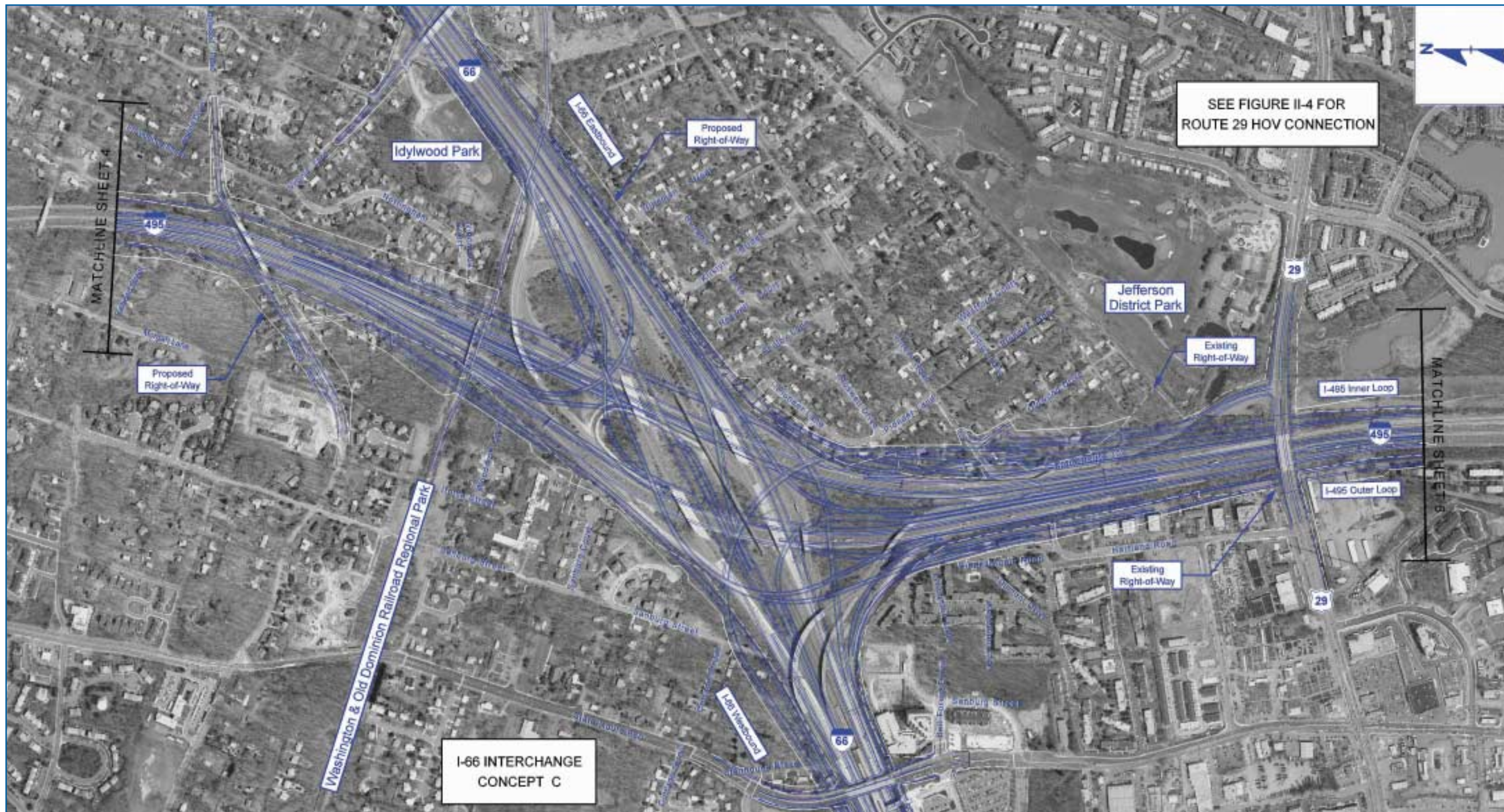


CANDIDATE BUILD ALTERNATIVE
Barrier-Separated HOV

CAPITAL BELTWAY STUDY

Figure II-3
 Sheet 5a





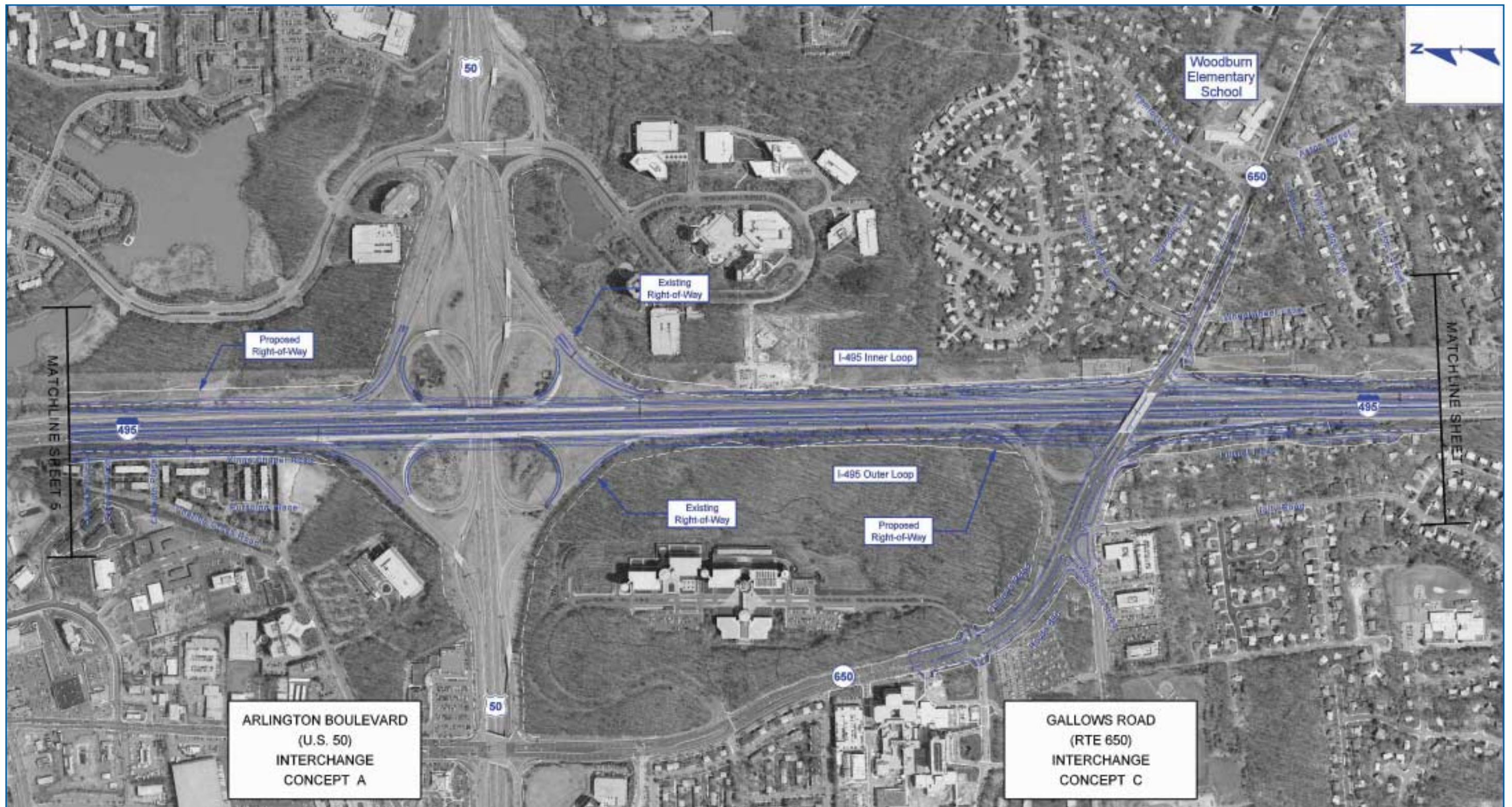


CANDIDATE BUILD ALTERNATIVE
Barrier - Separated HOV

CAPITAL BELTWAY STUDY

Figure II-3
Sheet 5c



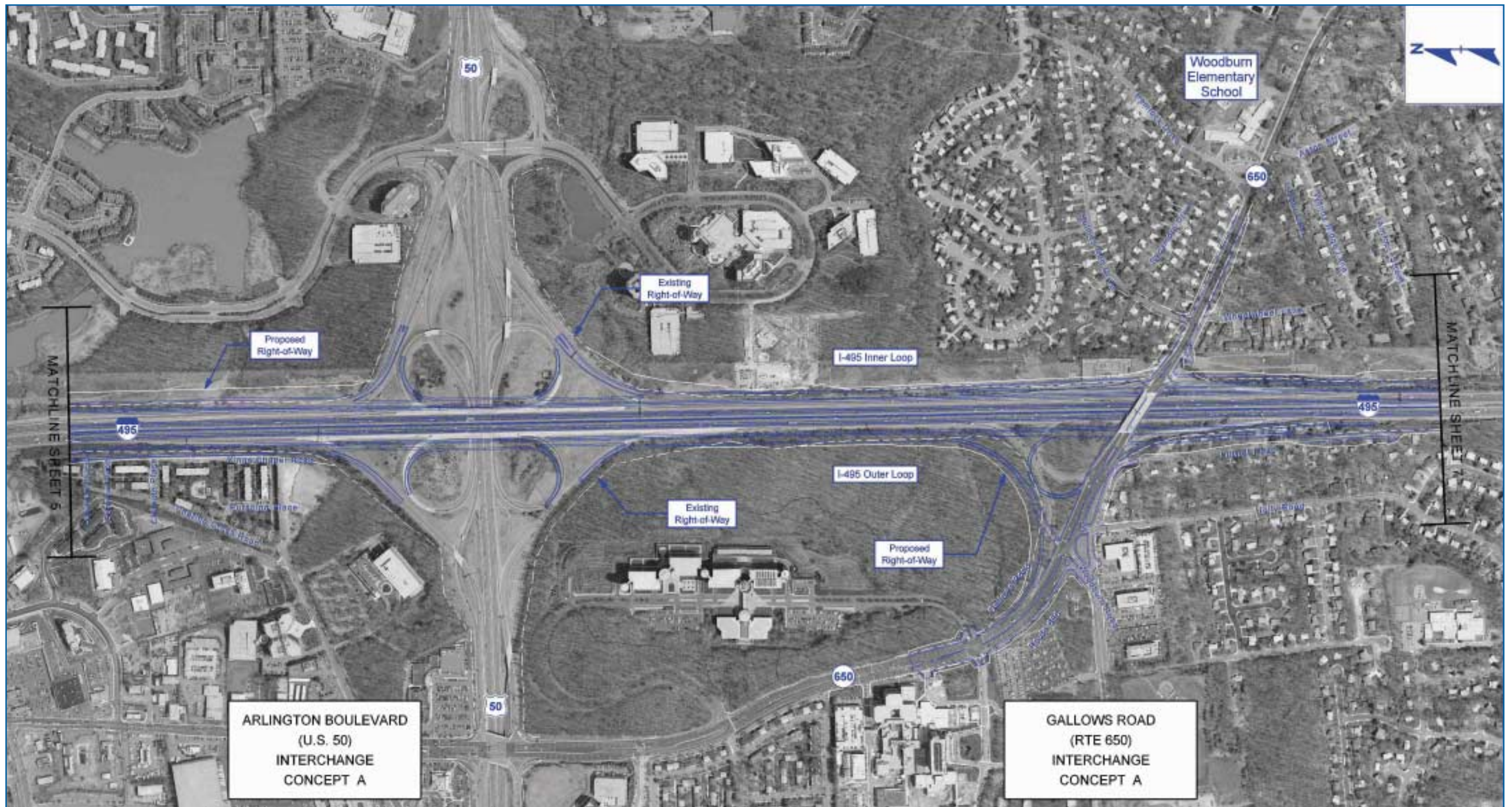


CANDIDATE BUILD ALTERNATIVE **Barrier - Separated HOV**

CAPITAL BELTWAY STUDY

Figure II-3
Sheet 6a



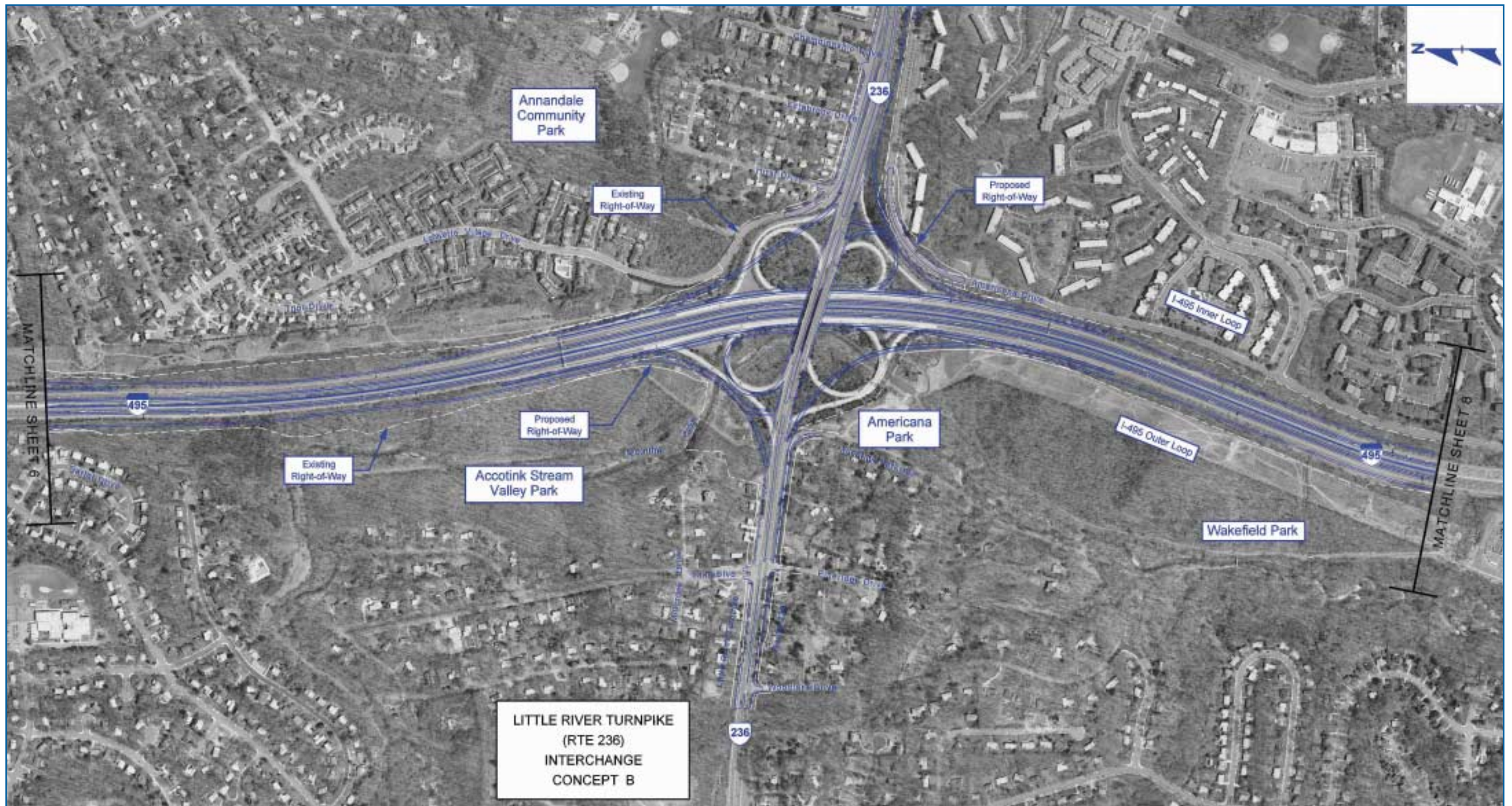


CANDIDATE BUILD ALTERNATIVE
Barrier - Separated HOV

CAPITAL BELTWAY STUDY

Figure II-3
 Sheet 6b





CANDIDATE BUILD ALTERNATIVE
Barrier - Separated HOV

CAPITAL BELTWAY STUDY

Figure II-3
 Sheet 7





CANDIDATE BUILD ALTERNATIVE
Barrier - Separated HOV

CAPITAL BELTWAY STUDY

Figure II-3
Sheet 8





CANDIDATE BUILD ALTERNATIVE
Barrier - Separated HOV

CAPITAL BELTWAY STUDY

Figure II-3
 Sheet 9





DRAFT ENVIRONMENTAL IMPACT STATEMENT SECTION 4(f) EVALUATION

ROUTE 29 HOV CONNECTION

